Release 3 Planning

Release 3 target date is May 30th 2020.

1. Self Certified Milestones Achievement Due Date Apr 30th 2020 (Milestone 4)



2. Maturity Review Milestone Achievement Due date Apr 30th 2020



Please add targeted and achieved R3 milestones at:

BP Incubation Stage Reporting R2 (To be updated)

Define area of focus

(to be updated)

1. Virtual meeting to start to have a session to discuss all of the agenda items.
2. Different patches from different blueprints need to be up-streamed.
3. Need a consistent framework
4. New blueprints have been committed for R3.

5. Want to increase standards on Release 3.
6. Validation Project test layers and test cases
7. Incubation Self Certification in R3?

Release 3 Requirements



1. High Level Overall Requirements
2. CI, Blueprint Validation Lab Sub-Committee Requirements
    a. Present Pod Topology document.
    b. Peering w/LF Jenkins - **(Note: peering is an optional requirement)**
    c. Push logs through Nexus. **(Note: This is mandatory for Incubation self-certified and Maturity)**
    d. Usage of topics for release
        i. Releases >= 1.0 (e.g. 1.xyz, 2.xyz etc) are reserved for BP that have been approved as Core by the TSC (considered 'GA' quality).
        ii. Releases <1.0 (e.g. 0.xyz etc) are reserved for projects that have not reached the Akraino Core level (i.e. anything that is in Incubation ('alpha' quality) and Mature ('beta' quality).
    e. Enforcement of Static Code Analysis through SonarCloud (SaaS), WIP LF Release Engineering & Security Subcommittee. **(Note: This is an optional requirement for Incubation self certified and mandatory for Maturity)**
3. Security Sub-Committee Requirements, please fill in Security Scan Status. Instructions can be found at: Steps To Implement Security Scan Requirements
4. Blueprint Validation Framework Feature Project Requirements See TSC meeting.
5. Projects going for Maturity Review please refer to Maturity Criteria defined by Process subcommittee BP Graduation Review Processes and Criteria **(Note this is not required for self certification, only required for maturity review)**
6. Documentation Sub-Committee Requirements
   User Documents:

   The following documentation with the following sections called out should be on the wiki with links to rest of the sections as applicable. We prefer that the entire doc is on the wiki but we do not require it.

   Architecture - Blue print Overview and overall architecture

   Release Notes – Summary and What is released

   Installation Doc – Introduction and deployment architecture

   Test Document – Introduction and Overall Test Architecture

   Developer Documents:

   We are also recommending that Blueprints include via ReadtheDocs, with each Blue Print given their own repo, but we do not require it
7. API Sub-Committee Requirements **(Note: no mandatory requirements for Incubation self-certified or Maturity)**
8. Community Sub-Committee Requirements **(Note: no mandatory requirements for Incubation self-certified or Maturity)**
9. Process Sub-Committee Requirements **(Note: See the Process Sub Committee page defining the TSC approved Maturity review process and requirements for those requesting inclusion in R3 at Mature level** BP Graduation Review Processes and Criteria**)**
10. Upstream Sub-Committee Requirements **(Note: no mandatory requirements for Incubation self-certified or Maturity).** Here is the R3 release Upstream BP review status, R4 Release Upstream Compliance

Blue Prints Participating in Release 3

Internal Target date to meet Rel 3 Criteria is Apr 30th (please add your target/achieved date at the BP Incubation Stage Reporting R2)

(To be updated)

Project Name	Documentation Review Status	TSC Subgroup Release Status	Is this your first release	TSC Approval	Going for Maturity Review?	CD Logs URL to be used for review (Column filled in by PTLs)	Link to executive one pager (editable doc format) (Column filled in by PTLs)	BluVal Certification	Security Certification Pass/Fail Criteria: Steps To Implement Security Scan Requirements	Date ready for TSC review (Column filled in by PTLs)	TSC Review Date (Column filled in by TSC)
Connected Vehicle Blueprint Yong Yang Thor Chin	Bluval validation missing. Rest of the Doc is accepted 31 May 20201. Needs to specify what Bluval layer tests executed 2. Inst doc needs Lic details. Thor Chin plea se add this. 23 Jun 2020 1. ToC is missing in all doc. 2. Installation doc still has a lot of important sections missing. Note: I have reviewed this BP, multiple times. **Please follow the templates on the Doc Subcommittee page**. Not ready 25 Jun 2020 Accepted	16 Jun 2020 Tina to setup follow up with Randy and Tapio. Expect to close by 19 Jun 2020	N	Approved	Not Applicable	• *https://nexus.akraino.org/content/sites/logs/ampere/cvb/logs/*	CVB Release3 datasheet.docx	CentOS 8 is not supported in BluVal at the moment. Test has been run manually. And the results are in the Nexus. 24 Jun 2020	24 Jun 2020 Vuls, Lynis: Accepted - with exceptions listed in link below. Security Scan Status Kube-Hunter: Exemption granted, this blueprint does not currently use Kubernetes.	05/28	
IEC Type 4: AR/VR oriented Edge Stack for Integrated Edge Cloud (IEC) Blueprint Family Bart Dong Thor Chin	Bluval validation missing in Test Doc. Rest of the Doc is accepted 31 May 2020 Same status as Connected Vehicle. 23 Jun 2020 1. ToC is missing in all doc. 2. Installation doc still has a lot of important sections missing. 3. Lic term is supposed to be a separate section, not under Software Components Note: I have reviewed this BP, multiple times. **Please follow the templates on the Doc Subcommittee page**. Not ready 25 Jun 2020 Accepted	16 Jun 2020 Tina to setup follow up with Randy and Tapio. Expect to close by 19 Jun 2020	N	TSC approved	N	• *https://nexus.akraino.org/content/sites/logs/ampere/iec-type4/logs/*	https://nexus.akraino.org/content/sites/logs/ampere/iec-type4/logs/IEC Release3-IEC-Type4 datasheet.docx	CentOS 8 is not supported in BluVal at the moment. Test has been run manually. And the results are in the Nexus. 24 Jun 2020	24 Jun 2020 Vuls, Lynis: Accepted - with exceptions listed in link below. Security Scan Status Kube-Hunter: Exemption granted, this blueprint does not currently use Kubernetes.	05/28	
Radio Edge Cloud (REC) Paul Carver	Complete 31 May 2020 1. Please add license terms in the Installation doc or Architecture doc. 2. TOC is missing in a few of your Docs 3. It would be helpful if you have the R3 docs clearly identified, they can have ref to the older docs. Currently, it's not organized by release like other BPs Not Accepted yet 16 Jun 2020 Accepted	Ready for TSC approval.	N	TSC approved	Mature	• *https://nexus.akraino.org/content/sites/logs/att/job/Install_REC_on_OpenEdge1/* • *https://logs.akraino.org/production/vex-yul-akraino-jenkins-prod-1/rec-aarch64_baremetal-install-rec-weekly-master/*	REC_Akraino R3 blueprint Datasheet.docx		04 Jun 2020 Vuls, Lynis, Kube-Hunter: Accepted - with exceptions listed in link below. Security Scan Status	5/26	

ICN - Integrated Cloud-Native Family Kuralamudhan Ramakrishnan	Complete 31 May 2020 Accepted	Ready for TSC approval.	N	TSC approved	Not Applicable	• *ICN Master Baremetal Deployment Verifier* • *ICN Master Virtual Deployment Verifer* • *ICN Master Hardware Baremetal Deployment Verifer* • *ICN SDEWAN Master End2End Testing* • *ICN Master Optane Hardware Baremetal Deployment Verifier*	ICN R3 Data sheet	Y	04 Jun 2020 Vuls, Lynis, Kube-Hunter: Accepted - with exceptions listed in link below. All test cases are performed, the first review is done by Security Sub Committee on 13th May 2020 and the latest updates have been updated in the Security Scan Status	05/29	06/02
ELIOT IoT Gateway Blueprint khemendra kumar	Complete 05 Jun 2020 Accepted	Ready for TSC approval.	N	TSC approved	• N	• *https://nexus.akraino.org/content/sites/logs/huawei/blueprints/iotgateway/job/eliot-iotgateway-deploy-k8s-virtual-daily-master/430/*	ELIOT R3 IOT-Gateway Datasheet	Y	04 Jun 2020 Vuls, Lynis, Kube-Hunter: Accepted - with exceptions listed in link below. Security Scan Status	05/26	
ELIOT SD-WAN/WAN Edge/uCPE Blueprint khemendra kumar	Complete 06 Jun 2020 TOC missing in Architecture, Installation and Test doc. 08 Jun 2020 Accepted	Ready for TSC approval.	N	TSC approved	N	• *https://nexus.akraino.org/content/sites/logs/huawei/blueprints/uCPE/job/eliot-uCPE-deploy-k8s-centos-virtual-daily-master/378/*	ELIOT R3 uCPE Datasheet	Y	04 Jun 2020 Vuls, Lynis, Kube-Hunter: Accepted - with exceptions listed in link below. Security Scan Status	05/26	
Network Cloud and TF Integration Project Sukhdev Kapur	Complete Not Accepted yet 1. TOC should be in all documents. 2. Doc should be aligned with the template posted on Doc SC page 06 Jun 2020 Not completely addressed the above two, sent email 15 Jun 2020 Accepted	Ready for TSC approval.	N	TSC approved	Not Applicable	• *https://nexus.akraino.org/content/sites/logs//juniper/job/NC-Tungsten_Fabric/37/* • *https://nexus.akraino.org/content/sites/logs/juniper/validation/*	NetworkCloud-TF blueprint Datasheet.docx	Y	15 Jun 2020 Vuls, Lynis, Kube-Hunter: Accepted - with exceptions listed in link below. Security Scan Status	05/21	06/02

KNI Provider access edge Yolanda Robla Mota	Complete 06 Jun 2020 1. TOC missing in Docs - [Yolanda - added] 2. Installation Doc has missing sections, ref to the template on Doc subcommittee page - [Yolanda: added relevant sections and restructured] 18 Jun 2020 Accepted	Ready for TSC approval.	N	TSC approved	N	• *https://nexus.akraino.org/content/sites/logs/redhat-kni/192.168.112.199/kni-deploy-baremetal/7/* • *https://nexus.akraino.org/content/sites/logs/sandbox/vex-yul-akraino-jenkins-sandbox-1/kni-blueprint-basic-3-masters-verify-deploy-baremetal/33/* • *https://nexus.akraino.org/content/sites/logs/production/vex-yul-akraino-jenkins-prod-1/kni-blueprint-pae-verify-deploy-aws/55/* • *https://nexus.akraino.org/content/sites/logs/redhat-kni/kni-edge-installer-libvirt/45/* • *https://logs.akraino.org/redhat-kni/bluval_results/blueprint-pae/20200505-104443/out.log*	Akraino R3 blueprint Datasheet_KNI.pdf	N [Not passing as blueprint is based on OKD, not Kubernetes. So we run our own validation suite - https://logs.akraino.org/redhat-kni/bluval_results/blueprint-pae/20200505-104443/out.log]	04 Jun 2020 Lynis & Kube-Hunter: Accepted - with exceptions listed in link below. Security Scan Status 11 Jun 2020 Vuls: Exemption granted, this blueprint uses RHCoreOS which vuls does not support.	05/05	05/19
ACRN Kailas nath Maneparambil		N/A	Y		N				08 Jun 2020 No security scan logs received for vuls, lynis or kube-hunter.		
Micro-MEC	Complete 06 Jun 2020 TOC missing 16 Jun 2020 Accepted	Ready for TSC approval	Y	TSC approved	N	• *https://nexus.akraino.org/content/sites/logs/micromec*	Akraino R3 MicroMEC blueprint datasheet.docx	N/A	16 Jun 2020 Accepted: First release - security scan not required. Security Scan Status		

The AI Edge: School /Education Video Security Monitoring Hechun Zhang	Complete Not Accepted yet Address the review comments posted on Doc SC page 15 Jun 2020 Accepted	Ready for TSC approval	Y	TSC approved	N	• *https://nexus.akraino.org/content/sites/logs/baidu/job/aiedge-otestack-master-deploy/* • *https://nexus.akraino.org/content/sites/logs/baidu/job/aiedge-otestack-master-validation/*	AIEdge_Akraino R3 blueprint Datasheet.docx	N/A	05 Jun 2020 Vuls, Lynis, Kube-Hunter: Accepted - with exceptions listed in link below. Security Scan Status	06/02	
5G MEC/Slice System to Support Cloud Gaming, HD Video and Live Broadcasting Blueprint Feng Yang	Complete Look at the Documentation Template. A number of key elements missing in: Inst Doc: Uninstall, Dev Guide and Troubleshooting Test: Test Env setup 11 Jun 2020 Accepted	Ready for TSC approval	Y	TSC approved	N	• *https://nexus.akraino.org/content/sites/logs/tencent/job/5g-mec-cloud-gaming-CD/15/* • *https://logs.akraino.org/production/vex-yul-akraino-jenkins-prod-1/5g-mec-cloud-gaming-master-verify/*	5G MEC Rel 3 Datasheet	N/A	04 Jun 2020 Vuls, Lynis, Kube-Hunter: Accepted - with exceptions listed in link below. Security Scan Status Incubation BP	06/03	
IEC Type 3: Android cloud native applications on Arm servers in edge for Integrated Edge Cloud (IEC) Blueprint Family hanyu ding	Complete 04 Jun 2020 TOC needs to be in all Doc. Follow the template of the Doc Inst Doc: Uninstall, Dev Guide and Troubleshooting Release Doc needs update to include items in template 21 Jun 2020 Accpeted	16 Jun 2020 Pending closer Doc SC. CD Logs need to be updated. Tina will follow up with PTL 23 June 2020 - TSC sub-group reviewed the logs and requirements met. Ready for TSC approval.	Y	TSC approved	N	• *https://nexus.akraino.org/content/sites/logs/ampere/job/akraino_arm_anbox_test/6/*	IEC Release3-IEC Type3-datasheet.docx	NA (First Release)	16 Jun 2020 Vuls & Lynis: Accepted - with exceptions listed in link below. Accepted: First release - Kube-Hunter security scan not required. Security Scan Status	06/04	
IEC Type 5: SmartNIC for Integrated Edge Cloud (IEC) Blueprint Family Xuan Jia	Complete 04 Jun 2020 TOC needs to be in all Doc. Follow the template of the Doc Inst Doc: Uninstall, Dev Guide and Troubleshooting Release Doc needs update to include items in template 15 Jun 2020 Accepted	Ready for TSC approval	Y	TSC approved	N	• *https://nexus.akraino.org/content/sites/logs/bytedance/job/run-install-bluefield-fs/* • *https://nexus.akraino.org/content/sites/logs/bytedance/job/run-install-ovs-dpdk/*	IEC Release3-SmartNIC datasheet.docx	NA (First Release)	11 Jun 2020 Vuls & Lynis: Accepted Logs received from: Yihui Wang, wangyihui@chinamobile.com - with exceptions listed in link below. Security Scan Status Kube-Hunter: Exemption granted, this blueprint does not currently use Kubernetes.	06/04	

Enterprise Applications on Lightweight 5G Telco Edge Gaurav Agrawal	Complete 31 May 2020 Updated the Installation doc with config details, included the Lic terms with Upstream. Updated the Test doc to reflect setup. Accepted as per review comments	Ready for TSC approval	Y	TSC approved	N	• *https://nexus.akraino.org/content/sites/logs/huawei/blueprints/ealt-edge/job/ealt-edge-bluval-daily-master/22/results/* • *https://nexus.akraino.org/content/sites/logs/huawei/blueprints/ealt-edge/job/ealt-edge-deploy-virtual-daily-master/135/*	EALTEdge Rel 3 Datasheet	NA (First Release)	05 Jun 2020 Vuls, Lynis and Kube-Hunber: Accepted - with exceptions listed in link below. Test results provided by Srinivasan Selvam Security Scan Status NA (First Release) Note: Security tools (Vuls, Lyns & Kube-Hunter) has been integrated with no critical test failures.	05/28	
Public Cloud Edge Interface (PCEI) Blueprint Oleg Berzin	Completed 31 May 2020 1. Test Doc: Can you please provide the h/w required to validate the BP. 2. Installation doc: Should include config with a diagram 03 Jun 2020 Comments addressed. Accepted	Not part of R3	Y	Not part of R3	N	• *https://nexus.akraino.org/content/sites/logs/cmti/job/pcei-daily/*	PCEI Release 3 Datasheet	N/A	09 Jun 2020 Vuls, Lynis - Accepted Kube-Hunter - Kubernetes not being used at this time - with exceptions listed in link below. Test results provided by Jian Li Security Scan Status	06/03	06/03

03/02~03/2020 Akraino TSC F2F & 2020 Planning meeting